Amendments to the Specification:

Please amend the paragraph beginning on page 152 at line 4 as follows:

Mixed lymphocyte culture assays were performed where lymphocytes from two different strains of mice with different histocompatibility antigens were mixed. Due to the difference in the histocompatibility antigens, resting T cells from both strains of mice will undergo blast transformation and propagate. As in any T cell activation process, the activation of Lck is essential. Therefore, the modulation of activation of Lck can be quantified as the downstream modulation in the levels of ^{3}H-TdR incorporation into DNA. 24 out of the 34 identified compounds were tested *in vitro* ~~*in vivo*~~, with 13 compounds showing inhibitory activity at a 100 μM concentration (Figure 2). Thus, over 50% of the compounds identified by the *in vitro* assay also show activity in the cellular functional assay at the conditions described herein. These compounds represent the most promising leads for further development. For 7 compounds, biphasic activity was observed in the mixed lymphocyte culture assay, where positive inhibitory activity is observed at higher concentration (100 μM) and negative inhibition (i.e. activation) occurs at lower concentrations (1 μM). Such effects may be associated with the regulatory mechanism of p56 Lck.